

The NoRad Shield

AVAILABLE IN SIZES TO FIT VIRTUALLY
ALL COMPUTER DISPLAYS, INCLUDING:

Model 2520

(10-7/16" x 7-7/8")

AT&T PC 6300 Mono
IBM 3101, 3178, 5151

Model 2513-F

(13" x 10")

Apple Portrait Display
NEC Multisync 4D
Radius Full Page Display

Model 2523-F

(12-3/8" x 9-1/2")

Amiga 1080, 1084, 1084S
Apple IIC, IIE, III
Compaq 420, Deskpro 20E
DEC VT320, VT340
IBM 5251/3, 5279
IBM 8512, 8514, 8515
Macintosh Mac II (color)
NEC Multisync II
NEC Multisync Plus, 2D, 3D
Sony 1304
Wyse WY85, 350, 630, 700

Model 2524

(8-3/4" x 7-3/8")

Macintosh (Standard, 128)
Macintosh MacPlus, SE
Macintosh 512, 512E

Model 2521-F

(11-3/8" x 8-7/16")

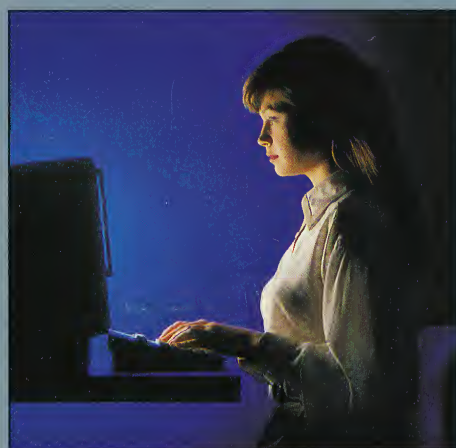
Apple IIGS
DEC VT100, VT220, VT240
IBM 8503, 8513
Macintosh Mac II (mono)
Sony CPD1303, GDM1604-15
Wyse WY30, 50, 60

NoRad SuperShield for 19" Displays

(17-3/8" x 13-3/4")

Calcomp HM-4320-D
Data General 6487
E-Machines T-19, TX, 1108
Hitachi SuperScan Plus
Radius Two-Page Display
Raster Ops C/DM 2010A
Sigma Designs Laserview
Sony GDM 1950
SuperMac CN2086, CN2186

NoRad Radiation Shield™



Video Display Radiation and Glare Shield

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NoRad Corporation

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ELF (100 Hz)

VLF (10,000 Hz)

The above graph shows the relative size of the combined Extremely Low Frequency ELF and VLF would occupy less than one inch. The NoRad Shield's ability to block E-

The NoRad Shield Does It All:

- Blocks Electromagnetic Radiation*
- Eliminates Static Electricity
- Eliminates Glare and Reflections
- Enhances Apparent Contrast
- Highest Resolution Screen Available
- Effective on Color or Monochrome Displays

No One Comes Close...

to the NoRad Shield for radiation-blocking technology. A unique combination of shielding materials and manufacturing techniques combine to provide the best radiation attenuation shield available.

Start with a precision monofilament mesh, woven to exacting technical standards. Add conductive metals to drain static and block radiation. And finish it with a proprietary black, light-absorbing material.

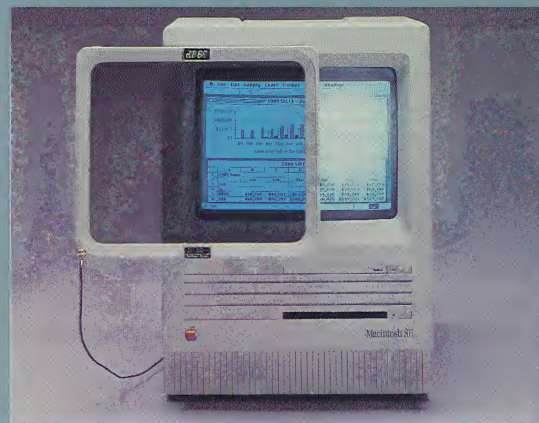
The result: electric radiation through the face of the computer display is reduced by more than 99.99%. Higher-frequency magnetic radiation is reduced by more than 50%. Glare and reflections are eliminated. And, static electricity is gone.



The NoRad Shield is available in several models to fit IBM® PCs and compatibles, terminals and other computer displays.



The NoRad SuperShield is pre-curved and designed for 19-inch and two-page displays and workstation monitors.

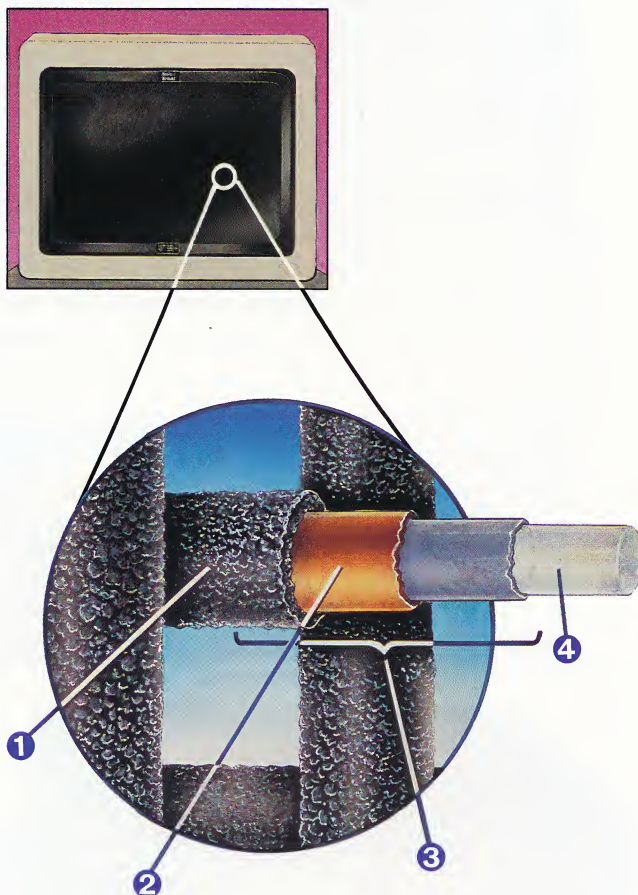


The NoRad Shield fits Apple® and Macintosh® displays, and is available in a platinum colored frame for the Macintosh SE.

*99.99% E-field (electric) attenuation from 20 KHz to 1 GHz.
Greater than 50% H-field (magnetic) attenuation above 30 KHz.

All shields are easy to install and mount by Velcro® tabs.

The NoRad Shield... A Closer Look



1. NoRad proprietary black metal coating. Tiny fibrils scatter glare and reflections. Apparent contrast is dramatically increased.
2. Copper coating. Excellent electrical conductor drains away static fields harmlessly and instantly.
3. Amorphous nickel combines with the NoRad and copper coatings to block electric radiation by more than 99.99%, from 20 KHz to 1 GHz. Magnetic radiation is blocked by more than 50% above 30 KHz.
4. High-resolution, precision monofilament core.

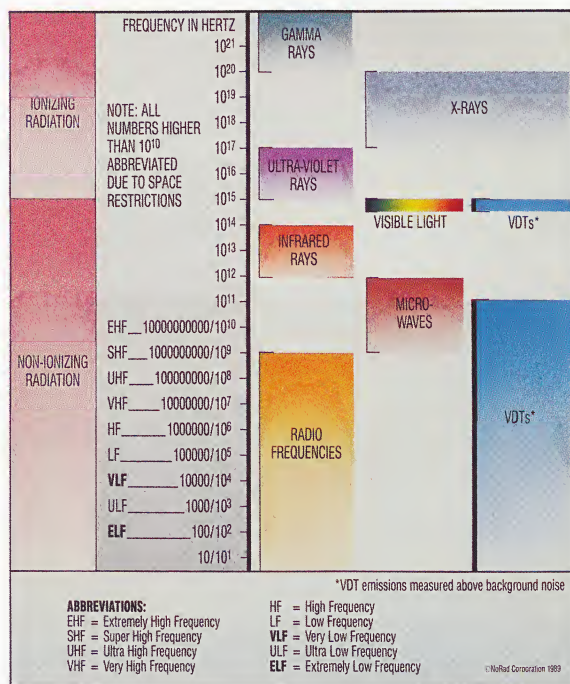
VDT Radiation— What Is It?

All video display terminals (VDTs) emit *non-ionizing* electromagnetic radiation (EMR) across a very broad band of frequencies, from Extremely Low Frequency (ELF) (including the 60 cycles per second of familiar household alternating current) through several thousand cycles per second (Very Low Frequency, or VLF) to billions of cycles per second (GigaHertz) in the microwave range and above.

Electromagnetic waves create two related fields, one electric and known as the E-field, the other magnetic and known as the H-field. The EMR spectrum is composed of both electric and magnetic fields.

The logarithmic chart below shows where VDT emissions fit within the EMR spectrum.

ELECTROMAGNETIC RADIATION SPECTRUM



Radiation is categorized into two distinct types: ionizing and non-ionizing. Non-ionizing radiation is lower-frequency radiation, beginning at visible light on the EMR spectrum and continuing below it.

The NoRad Shield: Certified as the Most Effective Radiation Attenuation Shield Available

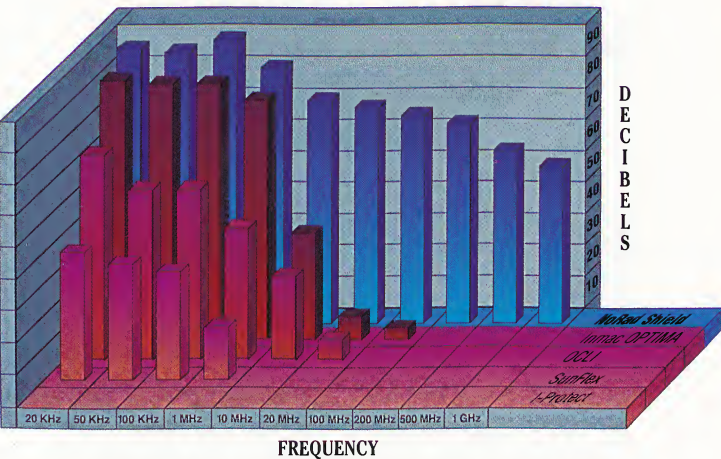
The NoRad Shield has been independently tested and certified to be the most effective radiation blocking shield on the market. An NSA-certified lab compared the shielding effectiveness of the NoRad Shield and other screens whose manufacturers claim radiation-blocking ability.

This reproducible test was performed in accordance with Military Standard Attenuation Measurements for Enclosures, Electromagnetic Shielding, for Electronic Test Purposes (MIL-STD-285). Room conditions and equipment used in the testing were calibrated and certified in accordance with Military Standard Calibration Systems Requirements (MIL-STD-45662).

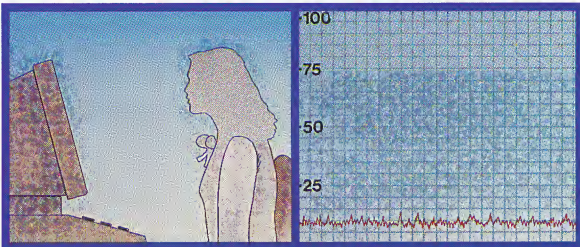
Results of the test are shown below.

**NO OTHER PRODUCT MATCHES
THE PERFORMANCE OF THE NORAD SHIELD.**

E-FIELD RADIATION SHIELDING EFFECTIVENESS

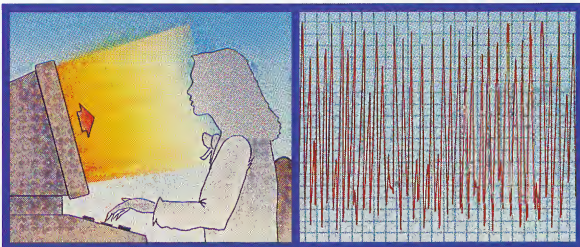


Electromagnetic radiation attenuation is measured in decibels. A decibel is a unit of power ratio on a logarithmic scale used to compare the intensities of two sources. Sixty decibels **exceeds** 99.9999% radiation reduction.



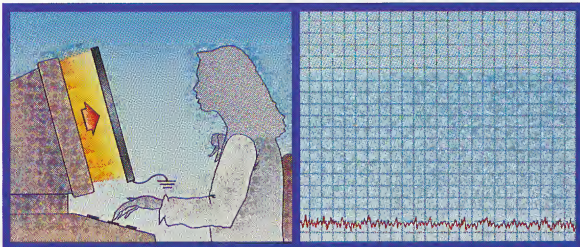
Computer Off

With the computer off, no electromagnetic radiation is generated. Only insignificant levels of background radiation are measured.



Computer On

When the CRT is turned on, electromagnetic radiation is emitted at varying levels across a wide spectrum.



Computer On with NoRad Shield

With the NoRad Shield, more than 99.99% of electric radiation through the face of the VDT is blocked across a wide spectrum, from 20 KHz to 1 GHz. More than 50% of magnetic radiation is blocked from 30 KHz and above.

1 GHz→

and Very Low Frequency range without distortion of logarithmic scales. If the entire range of non-ionizing radiation is represented by a line 3,000 feet long, both eld radiation does not stop at VLF—it extends into the microwave range at 1 GHz. Simply put, the NoRad Shield blocks 33,000 times the combined ELF/VLF range.